NUMBERS & ODDITIES

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-::: N&O #49, May 2002 :::-

Hi and welcome to a new edition of Numbers & Oddities. When you read this I am enjoying my vacation, at least that is my intention :-) Don't let my absence keep you from sending me loads of numbers and oddities info and logs. CU next month!

-0-0-0-0-0-0-0-0-0-0-

* VOICE STATIONS *

::: E03 - LINCOLNSHIRE POACHER

Lincolnshire Poacher id's; first half of the month:

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
1200	97138	97138	97138	97138	97138	97138	97138	1200
1300	50667	50667	50667	50667	50667	50667	50667	1300
1400	65995	11876	57898	80757	97138	93956	59720	1400
1500	59720	65995	11876	57898	80757	97138	47152	1500
1600	47152	59720	65995	11876	57898	80757	93956	1600
1700	93956	47152	59720	65995	11876	57898	97138	1700
1800	97138	93956	47152	59720	65995	11876	80757	1800
1900	80757	50667	93956	50667	59720	65995	50667	1900
2000	50667	97138	50667	47152	50667	59720	57898	2000
2100	57898	80757	97138	93956	47152	50667	11876	2100
2200	11876	57898	80757	97138	93956	47152	65995	2200

Second half of the month:

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
1200	57924	57924	57924	57924	57924	57924	57924	1200
1300	11813	11813	11813	11813	11813	11813	11813	1300
1400	52195	25016	52822	13367	57924	12608	30926	1400
1500	30926	52195	25016	52822	13367	57924	85210	1500
1600	85210	30926	52195	25016	52822	13367	12608	1600

1700	12608	85210	30926	52195	25016	52822	57924	1700
1800	57924	12608	85210	30926	52195	25016	13367	1800
1900	13367	11813	12608	11813	30926	52195	11813	1900
2000	11813	57924	11813	85210	11813	30926	52822	2000
2100	52822	13367	57924	12608	85210	11813	25016	2100
2200	25016	52822	13367	57924	12608	85210	52195	2200

<<<<<>>>>>

::: E10 - ISRAELI INTELLIGENCE

Our Japanese correspondent Adachi heard "ABC" on 6428 kHz at 1708 UTC on 25 May. It looks like this frequency is solely used for this call these days.

Paul reports a string from KPA: KPA ZHAZ0905Z2050; heard on 9 May at 1930 to 2045 UTC on 5230 kHz. 0905z2050 clearly stands for the date and time, but the rest.......

E10 transmitted a "SE" string for hours on 5 May following the calls VLB, CIO and SYN.

4015 kHz, 2150 UTC, VLBSE
5170 kHz, 2145 UTC, VLBSE
6930 kHz, 2013 UTC, VLBSE

4781 kHz, 2147 UTC, SYNSE
7605 kHz, 2053 UTC, SYNSE

5341 kHZ, 2144 UTC, CIOSE
6912 kHz, 2040 UTC, CIOSE

Tomonori had a few nice catches with:
5435 kHz, 1731 UTC, ART1 (27 May)
7358 kHz, 1700 UTC, FTJ1 (27 May)

"ABC" was a daily guest during the last week of May from ca.1600 till at least 2000 UTC. On various days till after 2300 UTC.

<<<<<>>>>>

::: E15

This month only one report from an anonymous monitor who says that he can often hear E15 on 14000 kHz with the "Frank Young Peter" call. Mostly with "Queen Robert Union" at 1700 and 1800 UTC.

<<<<<>>>>>

::: G04 - THREE NOTE ODDITY

It's still there but not very active. Heard at 2000 and 2030 UTC on 4830 and 4930 kHz on 2 May, with '81737'.

<<<<<>>>>>

::: G06

G06 used id 308 on 11490 kHz at 1900 UTC and 9115 kHz at 2000 UTC, on Monday, 6 May. It was on at 1900 UTC a day later (Tue, 7 May), now using 11485 kHz, also with id 308.

<<<<<>>>>>

::: S06

S06 was heard on Monday, Tuesday and Friday at 1950 UTC with id 254 on 9230 kHz and on the same days at 1850 UTC on 11130 kHz.

<<<<<>>>>>

::: V08

Active on 6645

<<<<<>>>>>

::: V13 - NEW STAR BROADCASTING COMPANY

Hideharu Torii surprised us with an interesting note: "The name of V13 is not New Star Broadcasting Station but Star Star radio station.", he says and explains: "According to Mr. Toru Yamashita of the Asian Broadcasting Institute, V13 has been broadcasting a message, requesting listeners to send letters by e-mail or post. It says its mail address is w2789@hotmail.com and its postal address is P.O. Box 12587, Taipei. Mr. Yamashita sent an e-mail to the address and received a following reply from the station.

> Dear Mr. Toru
>
> Thanks for your e-mail dated on 15th April. It is great to know you are interested in our program. We are "Star Star radio station" and our current subject is issues of APEC between Taiwan & Mainland China. If you have any information of it, please do not hesitate to contact us. Also, we would to know more details about you before we offer further proposal to you. We are very appreciated it we could send

your resume to us.

Looking forward to hearing from you.

Best wishes,

Star Star"

Now, isn't that cool? I wonder if they now also send out QSL cards!

<<<<<>>>>>

::: V24

Active frequencies: 4500, 4600, 4900, 4940, 5450, 5550, 5715, 5850, 6215, 6330, 6715

-0-0-0-0-0-0-0-0-0-0-

* MORSE STATIONS *

::: M13

"Thought I would include copy of an M13 sked that came up at 2200z on 12216 kHz on May 13, 2002 for those of you who are not familiar with the morse numbers stations or are just plain curious.", says Mark Slaten and jotted down M13's message for you:

458 (R5) BT 212 19 BT
37636 40054 64728 50561 07866 56734 35288 31488 65053 28204
47715 55567 64556 59785 30475 48998 02893 34288 33871
BT

458x12 BT 212 19 BT
37636 40054 64728 50561 07866 56734 35288 31488 65053 28204
47715 55567 64556 59785 30475 48998 02893 34288 33871
BT 000

Igor tells me that M13 is a rare catch in the Eastern part of Russia. He heard the station there on 11475 kHz, 0330 UTC, 13 May.

458 458 458 (R5)
= 212 19 =
37636 4tt54 64728 5t561 t7866 56734 35288 31488 65t53 282t4
47715 55567 64556 59785 3t475 48998 t2893 34288 33871 =
458 458 458 458 458 458 458 458 458 458 458 458
= 212 19 =
37636 4tt54 64728 5t561 t7866 56734 35288 31488 65t53 282t4

47715 55567 64556 59785 3t475 48998 t2893 34288 33871 =
t t t

<<<<<>>>>>

::: M13d

Another one from Mark Slaten, who is very enthusiastic about M13d and submitted a lengthy message to the group. Thanks for that, Mark. As I mentioned last month, this is a new format, so to get familiar with the format, here is the unedited transcript, commented by Mark in his own words:

"Well, here is a transcription of the M13d sked that I copied this late last evening and into early morning. The 492 group message is there in its entirety with the exception of an occasional missed character. This was mostly caused by the QRM that seemed to hover in and out on top of this sked. Also, some TTY came up for a few brief seconds to obliterate about 2 groups. Note that this is message #266 and that he is using the encryption scheme in which the first two groups are repeated again as the last two groups. It took 1 hour and 40 minutes to send the message the first time and then he began a repeat, at which point I dropped him for further search. So with the repeat, the total sked time should be approximately 3 hours and 20 minutes."

Begin copy: 0230 UTC
End copy : 0410 UTC
Frequency : 6715 kHz

303 (R5) BT 266 492 BT
38883 70759 04849 65134 34530 25193 08554 31222 51944 87799
63744 59163 77588 24890 50168 22017 16725 57879 563.5 33906
41764 83222 02944 87308 00347 69330 09704 43660 36734 15441
29051 97657 05311 59882 73668 73646 48524 25333 51573 51854
97252 78479 54103 85279 10318 26039 69780 24261 77487 53909

26201 27625 31714 11685 37374 66134 55441 25738 76975 47090
61.68 38774 75903 03656 13159 81696 47593 48979 47453 79077
20387 44660 52190 94697 99373 43285 98233 92164 38609 86368
63615 98131 49367 71979 38312 43680 41535 42842 70845 25488
80761 54381 32194 59957 91375 88352 97059 67585 97673 38837

52134 44246 08646 95837 23127 16896 78717 28021 84202 57654
85536 34580 38104 31997 36793 83589 55923 98151 36821 53352
64410 74910 58777 86252 30152 03675 95965 22080 09426 20773
41394 52639 84131 64644 13475 03822 40662 89827 33604 29638
55409 82202 57304 54431 26372 69603 48777 33444 31633 59882

58666 31693 01650 15189 78140 97905 48837 33153 52033 04738
55885 15903 89515 78609 34021 54796 42878 76362 925.. 66236
48655 93669 33602 10966 42453 70480 90777 09608 60174 86457
62714 91841 02545 88883 49296 95092 97959 25629 27379 95458
06062 17151 56951 40918 98922 23587 33205 73883 15942 28884

62643 05538 21152 73802 20258 53094 70361 89961 47837 78137
82546 66358 89610 54959 13785 80361 46286 26101 77804 64463
98205 24671 18584 43280 04632 04273 57204 44611 50855 06185
02517 25977 02431 19257 91095 68855 01707 30088 73345 73998
01402 48061 71724 81374 74995 75579 63573 90836 51587 48647

90116 64246 23706 79338 79585 56175 36509 06068 17179 43809
06504 13334 42945 68204 96598 00420 88644 78553 48864 22748
10464 07789 95717 18519 90135 22537 83484 93746 13408 68608
40890 47960 16520 06189 37379 94683 58125 94090 65980 17546
52420 20776 02464 53439 54109 37195 38653 99444 28547 18720

32526 13814 37135 37755 70699 73150 65861 43520 63252 713..
79781 07413 26314 38568 27285 96523 09828 21600 51736 13746
06415 15759 85382 19436 28724 07650 23860 64629 40235 44258
45637 64302 56537 10863 1.588 04964 93806 92091 68924 63225
.5154 22837 44534 77314 70495 56047 01005 69499 89469 52722

12616 04344 81366 39195 50380 56799 38364 34439 48774 80982
41815 45432 25011 13350 58390 65747 27850 48655 39070 84357
15223 69646 36444 51983 41473 63381 82797 27618 57896 17736
53179 25079 96551 37260 49429 62538 52072 10294 17377 28515
26806 39458 85105 26162 36145 82511 65604 15853 42262 21962

50621 26147 58233 73736 46833 38841 65444 49722 23683 53571
52577 65688 35.69 15213 48061 13826 23078 86729 91176 00689
67854 75701 38017 86249 81005 78729 39940 93141 60582 04606
81466 70614 69516 47464 45856 295.. 58... ..... 81716 73769
24473 63008 44615 09612 34998 66623 58178 5792. 424.5 30178

12758 38845 74725 26818 30501 45833 17882 86338 52551 75943
67398 13672 45436 7178. 59452 46772 67822 26058 16384 35906
73956 26725 81146 33761 58.76 49411 86445 64554 31050 87688
40013 40517 073.6 71444 41033 31989 87661 34110 13216 85261
38883 70759 BT

303x12 BT 266 492 BT

Here repeats the message, and I dropped it for further search.

Note:
  Group 104 and 128 sounded like there was an extra "dah" at the

beginning of a number. Like 095837 for group 104 and 202080 for group 128. TTY blocked out groups 436, 437 and 438. The only time any TTY was heard. QRM from voice was in and out of background the whole sked."

<<<<<>>>>>

::: M21

The Russian Air Defense transmitted on 7088 kHz. This was actually the only log I have seen this month.

<<<<<>>>>>

::: M26

This station isn't reported much lately. Trond found it however on 2960 kHz on 10 May at 2337 UTC with "99 60578" and "99 01212". At midnight UTC it changed to a new id "19 19 19", then at 0002 back to "99 01212".

The station is still unid. It was once suggested that this might be the Royal Navy School of Signals, but this was never confirmed.

<<<<<>>>>>

::: M40

6238 kHz, 1630 UTC, 16 May:

vvv cq615,t97 (R5)
vvv cqt97 cqt97 cqt97
hr hr 36 36 = =
t5782 6t427 1441t 49244 51966 97536 65817 1938t 69t51 78982
36263 27679 44tt1 74127 66869 56589 t8234 937t4 27298 43446
74228 11441 19724 t2t75 96685 827t8 28793 42244 37988 97874
79459 88168 tt966 74732 16967 87336 ar ar
rpt rpt
vvv cqt97 cqt97 cqt97
hr hr 36 36 = =
t5782 6t427 1441t 49244 51966 97536 65817 1938t 69t51 78982
36263 27679 44tt1 74127 66869 56589 t8234 937t4 27298 43446
74228 11441 19724 t2t75 96685 827t8 28793 42244 37988 97874
79459 88168 tt966 74732 16967 87336 ar ar sk sk

5805 kHz, 1400 UTC, 12 May:

vvv cq113,698 (r5)

vvv cq698 cq698 cq698
hr hr 13 13 = =
59861 68t51 42118 55298 84486 41t79 66259 68114 48224 16543
12t88 83165 368t1 ar ar
rpt rpt
vvv cq698 cq698 cq698
hr hr 13 13 = =
59861 68t51 42118 55298 84486 41t79 66259 68114 48224 16543
12t88 83165 368t1 ar ar sk sk

8210 kHz, 1430 UTC, 12 May:

vvv cq113,698 (R5)
vvv cq698 cq698 cq698
hr hr 13 13 = =
59861 68t51 42118 55298 84486 41t79 66259 68114 48224 16543
12t88 83165 368t1 ar ar
rpt rpt
vvv cq698 cq698 cq698
hr hr 13 13 = =
59861 68t51 42118 55298 84486 41t79 66259 68114 48224 16543
12t88 83165 368t1 ar ar sk sk

6449 kHz, 1430 UTC, 9 May:

vvv cq211,968 (R5)
vvv cq968 cq968 cq968
hr hr 8 8 = =
t6343 4t185 44949 t5767 t3487 25539 75496 42t18 ar ar
rpt rpt
vv cq968 cq968 cq968
hr hr 8 8 = =
t6343 4t185 44949 t5767 t3487 25539 75496 42t18 ar ar
ar ar sk sk
6365   796: M40 1630 (10-05-2002) MCW 5F (IB)

vvv cq796,727 (R5)
vvv cq727 cq727 cq727
hr hr 38 38 = =
35644 48356 48t97 96818 63473 36t95 57917 9t287 17449 13689
18759 97288 89618 26314 52957 11283 t3586 91353 6t2t4 t8579
22886 97333 6t789 962t6 64619 71756 47358 81563 288t7 86112
66256 69763 613t9 11t12 67t95 tt746 t3129 48148 ar ar
rpt rpt
vvv cq727 cq727 cq727
hr hr 38 38 = =
35644 48356 48t97 96818 63473 36t95 57917 9t287 17449 13689
18759 97288 89618 26314 52957 11283 t3586 91353 6t2t4 t8579

22886 97333 6t789 962t6 64619 71756 47358 81563 288t7 86112
66256 69763 613t9 11t12 67t95 tt746 t3129 48148 ar ar sk sk

14573 kHz, 2330 UTC, 4 May:

vvv cq995,544 (R5)
vvv cq544 cq544 cq544
hr hr 8 8 = =
78433 51129 22675 936t9 736t1 78967 56434 69919
ar ar
rpt rpt
vvv cq544 cq544 cq544
hr hr 8 8 = =
78433 51129 22675 936t9 736t1 78967 56434 69919
ar ar
sk sk

6535 kHz, 0238 UTC, 27 April:

... 62762 96355 65271 2599t 66918 934t1 71545
421tt 93698 62t33 23243 21384 85258 t1715 8386t t4434 99312 ar ar
rpt rpt
vvv cq619 cq619 cq619
hr hr 5t 5t = =
66488 63757 9t174 5388t 34364 741t3 91715 29683 2826t 12128
74129 56445 13787 12195 55838 t9925 2tt17 35464 4462t 56414
49736 71951 57939 55421 93t96 6t395 21t95 398t5 17737 76984
98t88 tt1t5 8t997 62762 96355 65271 2599t 66918 934t1 71545
421tt 93698 62t33 23243 21384 85258 t1715 8386t t4434 99312
ar ar sk sk

<<<<<>>>>>

::: M87

Our friend Igor sent us a lot of info this month. Amongst it a number
of M87 transcripts heard on 22 May at 1300 UTC on 6874 kHz:

248 248 248 000 000
248 248 248 000 000
248 248 248 000 000
248 248 248 000 000
248 248 248 000 000
248 248 248 000 TTT (also heard on 15 May at 1500 UTC on 6839 kHz)

9182 kHz, 1100 UTC, 15 May.

387 387 387 387 387 387 387 387 000

387 387 387 387 387 387 387 387 000
387 387 387 387 387 387 387 387 000
387 387 387 387 387 387 000
387 387 387 387 387 387 387 000
387 387 387 387 387 387 387 387 387 387 387 387 000
387 387 387 387 387 000 000

18806 kHz, 0130 UTC, 22 May. "A very strange format", says Igor:

987 987 987 987 987 987 987 987 987 987 987 987 987 987 987
987 987 987 987 987 987 987 987 987 987 987 987 987 987 987
987 987 987 000 000 000
987 987 987 987 987 987 987 987 987 987 987 987 987 987 987
987 987 987 987 987 987 987 987 987 987 987 987 987 987 987
000 000 000
va va va va va

16418 kHz, 0330 UTC, 14 May:

154 154 154 154 154 154 154 154 154 154 154 154 154 000
154 154 154 154 154 154 154 154 154 154 154 154 154 154 154
154 154 154 154 154 154 154 154 154 154 000
154 154 154 154 154 154 154 154 154 154 154 154 154 154 154
154 154 154 154 154 154 154 154 154 154 154 154 154 154 154
154 154 154 154 154 154 154 154 154 154 154 000
154 154 154 000

7377 kHz, 1330 UTC, 13 May:

874 874 874 874 874 874 874 874 874 000
874 874 874 874 874 874 874 874 874 874 874 874 874 000
874 874 874 874 874 874 874 874 874 874 874 874 874 874 874 874 000
874 874 874 874 874 874 874 874 874 874 874 874 874 874 874 000
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874 874 874 874 874 874 874 874 874 874 874 874 874 874 000
874 874 874 874 874 874 874 874 874 874 874 874 874 874 000

6837 kHz, 1500 UTC, 13 May:

486 486 486 000 000 (R5)
TTT

<<<<<>>>>>

::: MX - CLUSTER BEACONS & CHANNEL MARKERS
Although not as much as in the past years, there is still a lot of
"single letter" activity on HF. This is the round-up of May:

 3658   - V, Khiva
 7002   - V, Khiva
 7038.9 - S, Arkhangelsk
 7039   - K, Petropavlovsk Kamchatskiy
 7039.2 - F, Vladivostok
14330   - V, Khiva
28011   - L, St. Petersburg

<<<<<>>>>>

::: CHINESE MILITARY STATIONS

The "V CP17 CP17 CP17 DE L9CC L9CC" roundslip was reported on 3555 and 6930 kHz, and a variety of frequencies between 7032 and 7069 kHz.

"V LA5S LA5S LA5S DE NH8T NH8T" popped up on 5383 kHz.

<<<<<>>>>>

::: RUSSIAN MILITARY STATIONS

Lots of Russian military traffic as usual. I received logs for quite a large number of frequencies this time: 3832, 3263, 3835, 7014, 7041, 8002, 14056, 18100, 13004, 13582, 14108 and 14116 kHz. Calls heard include QFZD, INM4, IFGZ, NAYK, ZVFI, VF7Z, KNIG, LP2J, Y7BS, 4H1T, YQ7M, BYJM, XG7M, LDBO, ZF6E, PFMN, TJQP, DOA8, EPS7, 3ZOR, AKW3, NJKJ, W1BS, SHS8, TGX3, MEQJ, 1CLP, WALU, L1OS, OQLZ, F3QN, HCNX, 2JZX, 9TBR, SDZD, DWGC, CMIO, HVC3, VCLO, O6H3, YSDL.

Examples:

3832 kHz; 4H1T with the following message:
188 53 22 2210 188 BT 596 713 851 BT
AAAAA OUHPR EITSL .... ZKYPO BBKDK K

3263 kHz; message:
417 48 19 2338 417 = 282 =
AAAAA GAZPJ HLLWU...[ends] HEOMH AIKGE (19046) = K.
YQ7M receipts 'R 417 K'.

8002 kHz; BYJM with the following message:
BYJM ZVJ ZGD ZKO RPT ZVJ ZGD ZKO QLY 2

14116 kHz; DE DRSA QRR 3K QSV K.

Thanks to John, Jim and all the others who sent me their logs.

<<<<<>>>>>

::: UNID STATIONS

7004 kHz: 5LGs, date and time unknown.

7334 kHz, 0930 UTC, 16 May:

6t98 6t98 6t98
539 539 3t 3t = =
67t26 36169 95t37 31362 82t2t 15649 175t2 72412 65124 74t42
4t44t 87496 t4415 2t3t9 78843 37312 73194 8242t t3757 54397
99481 9t332 97555 34668 66295 79816 72392 62669 938t3 14214
= = 539 539 3t 3t ttt

14263 kHz: Cyrillic 5LGs, date and time unknown.

-0-0-0-0-0-0-0-0-0-0-

* OTHER MODES *

::: CHANNEL MARKERS [S28, S30, XP, XSW]

XP: Rimantas checks in with a note in which he says: "Some people wrote in the mailing list, that they could not hear "XP" on the lower frequency. However, the nighttime channel is alive at 3756 kHz." To illustrate this he adds a log from 8 May, 1752 UTC, when he heard a control message in Russian, female voice, repeated 3x: For 389, 132, 984, 620, 996, 285, 196, 077, 630, 640. How do you read me? Over."

The day frequency of this station is 5448 kHz. Rimantas can hear it loud and clear but I cannot hear it here in Holland.

Below is a current list of the most active Russian channel markers:

3828	Squeaky Wheel	
3194	R	24 hrs. Regular voice messages
3756	"XP"	Nighttime channel. Regular voice messages
4325	R	24 hrs. Regular voice messages
4625	UVB-76	24 hrs. Rare voice messages
5448	"XP"	Daytime channel. Regular voice messages
5465	R	24 hrs. Regular voice messages

<<<<<>>>>>

::: POLYTONE STATIONS [XP, XPL, XPH]

Who is Who in Polytone land? I'd suggest that you read the discussion about this subject in the ENIGMA newsletter #10.

There are currently three different sounding signals, coded XP, XPL (low pitch), and XPH (high pitch). The ones that we called XPH for years are now superseded by a higher variant, consequently the old XPH is now known as XP. Confused? You'd better be :-)

So when can you hear these babies? XP has schedules on Tuesdays, Thursdays and Fridays.

- XP frequencies for May were:

Tuesdays and Fridays	0600 UTC	11157 kHz
[Schedule 148]	0620 UTC	12457 kHz
	0640 UTC	13857 kHz
Tuesdays and Thursdays	2000 UTC	14598 kHz
[Schedule 545]	2020 UTC	13417 kHz
	2040 UTC	??5?? unknown
Tuesdays and Fridays	2010 UTC	15913 kHz
[2nd schedule -963-]	2030 UTC	14694 kHz
	2050 UTC	13374 kHz

- XPH which uses higher tones, and the same format and preambles as M12, is only heard at present on Tuesday and Saturday. The May schedule was 383.

1830 UTC	16350 kHz
1850 UTC	14870 kHz
1910 UTC	??3?? unknown

- XPL is very rare and is/was used by the same group as M10E.

<<<<<>>>>>

::: FAPSI [M42 / X06]

In his "Radio Intrigue" column, Don Schimmel writes "A few FAPSI transmissions were heard during the month but judging from the weak signal strength, they were certainly not coming from Cuba."

As expected, the FAPSI activity from that area completely dried up after the Russians have left Cuba. Although the number of reports is only two in May, that doesn't mean that Moscow is slowing down. So far, there is no evidence that the European activity is decreasing.

11411 kHz, 1951 UTC, link 40034

14642 kHz, 0650 UTC, link 30011
16227 kHz, 1042 UTC, link 40034
20690 kHz, 1055 UTC, link 80038 to RPO, QSX 23131 kHz
23131 kHz, 1057 UTC, link 80038, QSX 20690 kHz

One mazielka (X06) log this month: 20437 kHz, 1038 UTC (31 May).

<<<<<>>>>>

::: UNID STATION

22856 kHz, RTTY 99bd/417Hz, sending 274 274 274 etc. Picked up at 1335 UTC on 06 May and still going at 1556 UTC.

<<<<<>>>>>

::: OTHR / OCEAN SURFACE RADAR

Radar activity was noticed on a number of frequencies this month. Besides the ones that I mentioned in the past few months, the following signals were noticed:

 3764 kHz, Woodpecker
10080 kHz, a strong one in Europe. covers 10040-10120 kHz.
18090 kHz, the "Havana gurgle". Tone bursts each 43.88 msec.
21025 kHz, covers 20950-21100 kHz, 4 double pulses per sec. Beam
           suggest Europe as place of origin.
24975 kHz, CODAR radar sweeping down 25000-24950, each 498.1 msec.
28003 kHz, pulses.

From radio amateur sources we heard "There were 12 reports for the NATO Over-The-Horizon-Radar from Akrotiri, Cyprus. The lowest frequency was 18000 kHz, the highest frequency was 29050 kHz. The bandwidth is normally 50 to 60 kHz, the signal strength S9 + 70 dB thus causing very harmful interference to the Amateur Radio Service."

<<<<<>>>>>

::: JAMMERS

As usual lots of jammers in the 7 MHz band at: 7000, 7005, 7010, 7020, 7022, 7030, 7040, 7050, 7070, 7080 and also on 14200 kHz. The 7 MHz jammers were mostly from Iran and Iraq.

<<<<<>>>>>

::: REPEATER

The Simplex Voice Repeater on 28185 FM was again active in May. Every word spoken, every noise on 28265 is repeated on the same QRG after some seconds. Location of the station is near St. Petersburg, Russia. <source: IARU Region 1 Monitoring System News Letter>

-0-0-0-0-0-0-0-0-0-0-

* INTELLIGENCE NEWS *

::: CUBA

NewsMax.Com reports in an article, that first appeared in the April 2002 American Legion Magazine, that China has replaced Russia as Fidel Castro's main partner for electronic espionage and other activities directed against the United States in the Western hemisphere.

The article mentions the well known facts that Russia paid annually USD 200 million for the Lourdes facility and that mr Putin pulled the plug. It continues with the news that China has built a sophisticated new signals intelligence complex in Bejucal, Cuba, operating under the cover of Radio China. In addition to being used for espionage, these installations are reportedly part of a robust cyber-warfare capability Castro is developing.

<<<<<>>>>>

::: ISRAEL

Some interesting quotes from the Times:

ARIEL SHARON, the Israeli Prime Minister, faces a deep split with Mossad, the country's famed intelligence agency, over his strategy to defeat the Palestinian uprising. According to Israeli officials and intelligence sources, the split could result in the departure of Ephraim Halevy, the highly respected spy chief, who has on several occasions openly challenged the Israeli leader.

<http://www.thetimes.co.uk/article/0,,3-284164,00.html>

GROWING strains in Israel between Ariel Sharon, the Prime Minister, and the head of Mossad, his intelligence service, may have been triggered in part because spies no longer focus on the type of espionage that made them famous in the Cold War.
Intelligence agencies over the past decade have had to restructure their operations with officers increasingly taking the roles of diplomats, analysts, policemen and more recently soldiers, instead of the "spooks" immortalized by writers such as John le Carre.

<http://www.thetimes.co.uk/article/0,,3-284060,00.html>

-0-0-0-0-0-0-0-0-0-0-

* LOGS SECTION *

```
 2626.0  E10    FTJ i/p USB 24-05-2002 Fri 2130 (GG)
 2626.0  E10    FTJ2 USB 24-05-2002 Fri 2300 (GG)
 2743.0  E10    17 PGGWJ USB 24-05-2002 Fri 2130 (GG)
 2743.0  E10    ULX2 USB 24-05-2002 Fri 2230 (GG)
 2960    M26    19 19 19 99 31056 CW 11-05-2002  0100 (TJ)
 2960    M26    99 60578 CW 11-05-2002  2337 (TJ)
 3150    E10    PCD USB 18-05-2002 Sat 1830 (TI)
 3150.0  E10    PCD2 USB 24-05-2002 Fri 2230 (GG)
 3244.0  M8a    (in progress) ----- ----- ----- CW 25-05-2002 Sat 1000
 3415    E10    ART//5435 USB 07-05-2002 Tue 1931 (TI)
 3415.0  E10    ART 15 EQXJR USB 13-05-2002 Mon 2130 (GG)
 3415.0  E10    133 HCKYO USB 23-05-2002 Thu 1948 (GG)
 3415.0  E10    ART 13 PKUXE USB 24-05-2002 Fri 2130 (GG)
 3415.0  E10    ART2 USB 24-05-2002 Fri 2230 (GG)
 3415.0  E10    ART USB 24-05-2002 Fri 2300 (GG)
 3840.0  E10    YHF2 USB 24-05-2002 Fri 2300 (GG)
 3926.0  M8a    ID 70441 58013 29011 CW 19-05-2002 Sun 1000 (MS)
 3926.0  M8a    ID 38243 23721 34103 CW 26-05-2002 Sun 1000 (MS)
 3926.0  M8a    ID 65631 53823 82972 CW 28-05-2002 Tue 0400 (MS)
 4015    E10    VLB2//5170 USB 12-05-2002 Sun 1846 (TI)
 4015    E10    VLB2//6930 5170 USB 18-05-2002 Sat 1846 (TI)
 4015.0  E10    in progress repeating VLBSE AM 10-05-2002 Fri 2150
 4016.0  M8a    ID 85431 23722 23261 CW 27-05-2002 Mon 1000 (MS)
 4027.0  M8a    (in progress) ID 65631 ----- ----- CW 28-05-2002 Tue
                0300 (MS)
 4027.0  M8a    ID 65632 82973 27823 CW 31-05-2002 Fri 0300 (MS)
 4035.0  V02a   ID 83561 83381 46463 AM 25-05-2002 Sat 1000 (MS)
 4153    XSL    USB 18-05-2002 Sat 1836 (TI)
 4165    E10    MIW2 USB 18-05-2002 Sat 1816 (TI)
 4165    E10    MIW2//7445 6370 USB 18-05-2002 Sat 1916 (TI)
 4231.5  XSL    USB 07-05-2002 Tue 0945 (TI)
 4231.5  XSL    USB 18-05-2002 Sat 1840 (TI)
 4270    E10    PCD USB 07-05-2002 Tue 1931 (TI)
 4270    E10    PCD USB 18-05-2002 Sat 1931 (TI)
 4270    E10    PCD2 USB 18-05-2002 Sat 2001 (TI)
 4270.0  E10    PCD2 USB 10-05-2002 Fri 2230 (GG)
 4270.0  E10    PCD2 USB 23-05-2002 Thu 2000 (GG)
 4270.0  E10    PCD 50 NIZJ? USB 24-05-2002 Fri 2130 (GG)
 4270.0  E10    PCD2 USB 24-05-2002 Fri 2230 (GG)
 4291    XSL    USB 07-05-2002 Tue 0945 (TI)
 4291    XSL    USB 18-05-2002 Sat 1843 (TI)
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4328.0  M8a    ID 85431 23722 23261 CW 27-05-2002 Mon 1100 (MS)
4360    E10    CIO2//6912 5339 USB 07-05-2002 Tue 1946 (TI)
4360    E10    CIO2//6912 9202 USB 12-05-2002 Sun 1847 (TI)
4360    E10    CIO2//6912 5339 USB 18-05-2002 Sat 1847 (TI)
4360    E10    CIO2//6912 5339 USB 18-05-2002 Sat 1946 (TI)
4461.0  E10    FTJ 44 OFQIU USB 23-05-2002 Thu 2000 (GG)
4461.0  E10    FTJ i/p USB 24-05-2002 Fri 2130 (GG)
4461.0  E10    FTJ2 USB 24-05-2002 Fri 2300 (GG)
4506.0  M8a    ID 23181 27083 08101 CW 26-05-2002 Sun 0300 (MS)
4506.0  M8a    ID 42233 61703 08102 CW 31-05-2002 Fri 0400 (MS)
4507.0  V02a   ID 83561 83381 46463 AM 25-05-2002 Sat 1100 (MS)
4560    E10    YHF2 USB 18-05-2002 Sat 1902 (TI)
4560.0  E10    YHF2 USB 23-05-2002 Thu 2000 (GG)
4560.0  E10    YHF2 USB 24-05-2002 Fri 2300 (GG)
4625    S28    AM 02-05-2002 Thu 1808 (TI)
4625    S28    AM 07-05-2002 Tue 1910 (TI)
4625    S28    AM 12-05-2002 Sun 1855 (TI)
4625    S28    AM 18-05-2002 Sat 1854 (TI)
4700    M82?   CW 05-05-2002 Sun 1805 (TI)
4732    M13    764 CW 25-05-2002 Sat 2100 (HFD)
4732    M13    764 CW 26-05-2002 Sun 2100 (HFD)
4780    E10    SYN2//7605 USB 03-05-2002 Fri 1947 (TI)
4780    E10    SYN2//7605 USB 05-05-2002 Sun 1947 (TI)
4780    E10    SYN2 USB 07-05-2002 Tue 1947 (TI)
4780    E10    SYN2 USB 12-05-2002 Sun 1746 (TI)
4780    E10    SYN2//7605 USB 12-05-2002 Sun 1848 (TI)
4780    E10    SYN2 USB 18-05-2002 Sat 1847 (TI)
4780    E10    SYN2//7605 USB 18-05-2002 Sat 1947 (TI)
4781.0  E10    in progress repeating SYNSE AM 10-05-2002 Fri 2147
4830.0  G04    "81737 03147 66325 ..." USB 02-05-2002 Thu 2000 (AF)
4880    E10    ULX//7760 6270 USB 02-05-2002 Thu 1832 (TI)
4880    E10    //6270 USB 07-05-2002 Tue 1947 (TI)
4880    E10    ULX//7760 6270 USB 12-05-2002 Sun 1831 (TI)
4880    E10    ULX//7760 6270 USB 18-05-2002 Sat 1831 (TI)
4880    E10    ULX2 USB 18-05-2002 Sat 1903 (TI)
4880    E10    ULX2 USB 18-05-2002 Sat 1932 (TI)
4880.0  E10    ULX 88 ZJVIX USB 10-05-2002 Fri 2300 (GG)
4880.0  E10    ULX 33 LPFFB USB 10-05-2002 Fri 2300 (GG)
4880.0  E10    ULX 60 ZICEE USB 23-05-2002 Thu 2000 (GG)
4880.0  E10    17 PGGWJ USB 24-05-2002 Fri 2130 (GG)
4880.0  E10    ULX2 USB 24-05-2002 Fri 2230 (GG)
4880.0  E10    ULX 6 TXBUF RAKJX VQBSO EVYYU ADGJC MUHUL USB
               24-05-2002 Fri 2300 (GG)
4881    E10    ULX USB 02-05-2002 Thu 1801 (TI)
4881    E10    USB 02-05-2002 Thu 1816 (TI)
4881    E10    ULX USB 12-05-2002 Sun 1801 (TI)
4881    E10    USB 18-05-2002 Sat 1818 (TI)
4891,5         617 repeated followed by several 5FGs. Ends with SK CW
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                29-04-2002  2300 (SA)
4905    M01     025 no EoM CW 30-05-2002 Thu 2000 (HFD)
4930.0  G04     "81737 03147 66325 ..." USB 02-05-2002 Thu 2030 (AF)
5074    M10     555 173-31 761-27 no trace of M45 CW 23-05-2002 Thu
                1700 (HFD)
5091    E10     JSR USB 05-05-2002 Sun 1832 (TI)
5091    E10     USB 12-05-2002 Sun 1817 (TI)
5091    E10     JSR USB 12-05-2002 Sun 1832 (TI)
5091    E10     JSR USB 18-05-2002 Sat 1832 (TI)
5091    E10     USB 18-05-2002 Sat 1903 (TI)
5091    E10     USB 18-05-2002 Sat 2002 (TI)
5091.0  E10     JSR 96 KTEMH USB 10-05-2002 Fri 2230 (GG)
5091.0  E10     JSR2 USB 23-05-2002 Thu 2000 (GG)
5091.0  E10     JSR USB 24-05-2002 Fri 2130 (GG)
5091.0  E10     JSR 75 EIOLZ/80 HJVES USB 24-05-2002 Fri 2230 (GG)
5170    E10     VLB2//6930 8025 USB 27-04-2002 Sat 1647 (TI)
5170    E10     VLB2//6930 USB 03-05-2002 Fri 1947 (TI)
5170    E10     VLB2 USB 05-05-2002 Sun 1846 (TI)
5170    E10     VLB2//6930 USB 07-05-2002 Tue 1947 (TI)
5170    E10     VLB2 USB 12-05-2002 Sun 1646 (TI)
5170    E10     VLB2 USB 12-05-2002 Sun 1746 (TI)
5170    E10     VLB2//4015 USB 12-05-2002 Sun 1848 (TI)
5170    E10     VLB2//6930 4015 USB 18-05-2002 Sat 1848 (TI)
5170    E10     VLB2//6930 USB 18-05-2002 Sat 1947 (TI)
5170.0  E10     in progress repeating VLBSE AM 10-05-2002 Fri 2145
5230    E10     KPA2 USB 05-05-2002 Sun 1947 (TI)
5230    E10     KPA2 USB 12-05-2002 Sun 1817 (TI)
5280    M01     025 CW 23-05-2002 Sat 1800 (HFD)
5339    E10     CIO2//8127 USB 27-04-2002 Sat 1647 (TI)
5339    E10     CIO2//6912 8127 USB 29-04-2002 Mon 1647 (TI)
5339    E10     CIO2//6912 USB 03-05-2002 Fri 1948 (TI)
5339    E10     CIO2//6912 USB 05-05-2002 Sun 1847 (TI)
5339    E10     CIO2 USB 05-05-2002 Sun 1948 (TI)
5339    E10     CIO2//6912 4360 USB 07-05-2002 Tue 1948 (TI)
5339    E10     CIO2 USB 12-05-2002 Sun 1647 (TI)
5339    E10     CIO2//6912 USB 12-05-2002 Sun 1747 (TI)
5339    E10     CIO2//6912 9202 USB 12-05-2002 Sun 1848 (TI)
5339    E10     CIO2//6912 4360 USB 18-05-2002 Sat 1848 (TI)
5339    E10     CIO2//6912 4360 USB 18-05-2002 Sat 1947 (TI)
5339    E10     CIO2//6912 USB 19-05-2002 Sun 1547 (TI)
5341.0  E10     in progress repeating CIOSE AM 10-05-2002 Fri 2144
5373.0  S21     "973 248 36 89122.." AM 07-05-2002 Tue 1742 (AF)
5383    NH8T    Chinese Mil. V LA5S LA5S LA5S DE NH8T NH8T CW
                18-05-2002 Sat 1222 (TI)
5419.0  M8a     ID ----- ----- ----- (in progress) CW 11-05-2002 Sat
5435    E10     ART USB 27-04-2002 Sat 1603 (TI)
5435    E10     USB 29-04-2002 Mon 1648 (TI)
5435    E10     ART USB 02-05-2002 Thu 1802 (TI)
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5435    E10    ART USB 03-05-2002 Fri 1802 (TI)
5435    E10    ART USB 03-05-2002 Fri 1932 (TI)
5435    E10    ART USB 05-05-2002 Sun 1702 (TI)
5435    E10    ART2//6986 USB 05-05-2002 Sun 1902 (TI)
5435    E10    ART USB 05-05-2002 Sun 1932 (TI)
5435    E10    ART//3415 USB 07-05-2002 Tue 1932 (TI)
5435    E10    ART USB 12-05-2002 Sun 1631 (TI)
5435    E10    ART2 USB 12-05-2002 Sun 1702 (TI)
5435    E10    ART USB 12-05-2002 Sun 1732 (TI)
5435    E10    ART USB 12-05-2002 Sun 1802 (TI)
5435    E10    USB 18-05-2002 Sat 1818 (TI)
5435    E10    ART USB 18-05-2002 Sat 1933 (TI)
5435.0  E10    ART2 USB 10-05-2002 Fri 2230 (GG)
5435.0  E10    133 HCKYO USB 23-05-2002 Thu 1948 (GG)
5435.0  E10    ART USB 23-05-2002 Thu 2000 (GG)
5435.0  E10    ART2 USB 24-05-2002 Fri 2230 (GG)
5435.0  E10    ART USB 24-05-2002 Fri 2300 (GG)
5436.0  E10    in progress sending msgs AM 10-05-2002 Fri 2140 (ASC)
5437    E10    ART USB 02-05-2002 Thu 1833 (TI)
5437    E10    ART USB 04-05-2002 Sat 1832 (TI)
5437    E10    USB 11-05-2002 Sat 1833 (TI)
5437    E10    ART USB 12-05-2002 Sun 1833 (TI)
5746.0  E03    12608 USB 24-05-2002 Fri 2200 (GG)
5758    M13    id 378 CW 04-05-2002 Sat 2100 (AB)
5758.0  M8a    ID 42233 61703 08102 CW 31-05-2002 Fri 0300 (MS)
5762.0  V02a   (in progress) ----- ----- ----- YL/SS AM 18-05-2002
               Sat 0433 (MS)
5788    M13    id 411 CW 04-05-2002 Sat 2030 (AB)
5805    M40    vvv cq113,698 (R5) vvv cq698 cq698 cq698 CW 12-05-2002
                 1400 (IB)
5820    E10    YHF USB 27-04-2002 Sat 1632 (TI)
5820    E10    YHF2 USB 27-04-2002 Sat 1703 (TI)
5820    E10    YHF USB 29-04-2002 Mon 1632 (TI)
5820    E10    YHF//7918 10648 USB 02-05-2002 Thu 1803 (TI)
5820    E10    YHF//7918 10648 USB 03-05-2002 Fri 1803 (TI)
5820    E10    YHF2//7918 USB 03-05-2002 Fri 1933 (TI)
5820    E10    YHF//7918 10648 USB 05-05-2002 Sun 1817 (TI)
5820    E10    YHF2//7918 USB 05-05-2002 Sun 1932 (TI)
5820    E10    YHF2 USB 05-05-2002 Sun 2002 (TI)
5820    E10    YHF2//7918 USB 07-05-2002 Tue 1933 (TI)
5820    E10    //7918 10648 USB 11-05-2002 Sat 1817 (TI)
5820    E10    YHF USB 12-05-2002 Sun 1632 (TI)
5820    E10    YHF2 USB 12-05-2002 Sun 1703 (TI)
5820    E10    YHF//7918 10648 USB 12-05-2002 Sun 1802 (TI)
5820    E10    //7918 10648 USB 18-05-2002 Sat 1818 (TI)
5820    E10    YHF USB 19-05-2002 Sun 1532 (TI)
5820.0  E10    YHF2 USB 23-05-2002 Thu 2000 (GG)
5860.0  M10    (In progress) 761x3 BTx2 98x2 26x2 (probably an 0400z
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                sked) CW 05-05-2002 Sun 0406 (MS)
5860.0  M10     555x3 889x3 39 386x3 31(R5) CW 19-05-2002 Sun 0400
5860.0  M10     555x3 748x3 22 744x3 40 (R5) CW 26-05-2002 Sun 0400
5860.0  M10     555x3 313x3 41 636x3 41 (R5) CW 31-05-2002 Fri 0400
6215    V24     AM 02-05-2002 Thu 1505 (TI)
6221.0  M77     G5G DE P7X (w/tfc 5L) CW 11-05-2002 Sat 0214 (MS)
6221.0  M77     P7X DE G5G (working same freq-very weak) CW 11-05-2002
                 Sat 0227 (MS)
6250    XSL     //6417 6445 USB 05-05-2002 Sun 1913 (TI)
6250    XSL     //6417 6445 USB 06-05-2002 Mon 1012 (TI)
6270    E10     ULX USB 27-04-2002 Sat 1632 (TI)
6270    E10     ULX2//7760 USB 28-04-2002 Sun 1532 (TI)
6270    E10     ULX//7760 USB 29-04-2002 Mon 1603 (TI)
6270    E10     ULX USB 29-04-2002 Mon 1633 (TI)
6270    E10     ULX//7760 4880 USB 02-05-2002 Thu 1833 (TI)
6270    E10     USB 03-05-2002 Fri 1949 (TI)
6270    E10     ULX//7760 USB 04-05-2002 Sat 1833 (TI)
6270    E10     ULX2//7760 USB 05-05-2002 Sun 1532 (TI)
6270    E10     USB 05-05-2002 Sun 1648 (TI)
6270    E10     ULX2 USB 05-05-2002 Sun 1703 (TI)
6270    E10     ULX USB 05-05-2002 Sun 1932 (TI)
6270    E10     //4880 USB 07-05-2002 Tue 1933 (TI)
6270    E10     ULX//7760 USB 11-05-2002 Sat 1835 (TI)
6270    E10     ULX USB 12-05-2002 Sun 1632 (TI)
6270    E10     ULX//7760 4880 USB 12-05-2002 Sun 1833 (TI)
6270    E10     ULX//7760 4880 USB 18-05-2002 Sat 1833 (TI)
6270.0  E10     ULX 88 ZJVIX USB 10-05-2002 Fri 2300 (GG)
6270.0  E10     ULX 6 TXBUF RAKJX VQBSO EVYYU ADGJC MUHUL USB
                24-05-2002 Fri 2300 (GG)
6272.0  E10     in progress sending msg AM 10-05-2002 Fri 2044 (ASC)
6365    M40     vvv cq796,727 (R5) vvv cq727 cq727 cq727 CW 10-05-2002
                  1630 (IB)
6370    E10     MIW2//7445 USB 02-05-2002 Thu 1818 (TI)
6370    E10     MIW2//7445 USB 03-05-2002 Fri 1817 (TI)
6370    E10     MIW6//7445 USB 03-05-2002 Fri 1917 (TI)
6370    E10     MIW2 USB 05-05-2002 Sun 1717 (TI)
6370    E10     MIW2 USB 05-05-2002 Sun 1817 (TI)
6370    E10     MIW6 USB 05-05-2002 Sun 1917 (TI)
6370    E10     Israeli Intel. MIW2 AM 05-05-2002 Sun 2018 (AB)
6370    E10     MIW2 USB 11-05-2002 Sat 1616 (TI)
6370    E10     MIW2 USB 11-05-2002 Sat 1813 (TI)
6370    E10     MIW2 USB 12-05-2002 Sun 1717 (TI)
6370    E10     MIW2//7445 USB 12-05-2002 Sun 1817 (TI)
6370    E10     MIW2 USB 18-05-2002 Sat 1819 (TI)
6370    E10     MIW2//7445 4165 USB 18-05-2002 Sat 1917 (TI)
6417    XSL     //6250 6445 USB 05-05-2002 Sun 1928 (TI)
6417    XSL     //6250 6445 USB 06-05-2002 Mon 1012 (TI)
6417    XSL     USB 07-05-2002 Tue 0943 (TI)
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6428    E10    ABC AM 29-05-2002 Wed 1900 (HFD)
6428    E10    ABC AM 31-05-2002 Fri 2100 (HFD)
6428.0  E10    Israeli Intel. ABC AM 26-05-2002 Sun 1750 (AB)
6428.0  E10    Israeli Intel. ABC AM 27-05-2002 Mon 1901 (AB)
6428.0  E10    Israeli Intel. ABC AM 28-05-2002 Tue 2015 (AB)
6428.0  E10    Israeli Intel. ABC AM 29-05-2002 Wed 2200 (AB)
6428.0  E10    Israeli Intel. ABC AM 30-05-2002 Thu 2210 (AB)
6428.0  E10    Israeli Intel. ABC AM 31-05-2002 Fri 1940 (AB)
6445    XSL    //6250 6417 USB 05-05-2002 Sun 1929 (TI)
6445    XSL    //6250 6417 USB 06-05-2002 Mon 1012 (TI)
6445    XSL    USB 07-05-2002 Tue 0555 (TI)
6449    M40    vvv cq211,968 (R5) vvv cq968 cq968 cq968 CW 09-05-2002
                 1430 (IB)
6485    E03    65995 USB 03-05-2002 Fri 1803 (TI)
6485    E03    52195//8464 USB 18-05-2002 Sat 1904 (TI)
6498    E10    PCD USB 27-04-2002 Sat 1532 (TI)
6498    E10    USB 27-04-2002 Sat 1633 (TI)
6498    E10    USB 28-04-2002 Sun 1518 (TI)
6498    E10    USB 28-04-2002 Sun 1533 (TI)
6498    E10    USB 29-04-2002 Mon 1649 (TI)
6498    E10    PCD2 USB 12-05-2002 Sun 1602 (TI)
6498    E10    PCD2 USB 12-05-2002 Sun 1633 (TI)
6498    E10    PCD//8805 USB 12-05-2002 Sun 1733 (TI)
6498    E10    PCD2 USB 19-05-2002 Sun 1603 (TI)
6499    E10    USB 05-05-2002 Sun 1548 (TI)
6535    M40    vvv cq619 cq619 cq619 CW 27-04-2002  0238 (IB)
6647    V08    AM 04-05-2002 Sat 1802 (TI)
6715.0  M13    767 (R5) BT 265 20 BT CW 05-05-2002 Sun 0230 (MS)
6715.0  M13d   303(R5) BT 266 492 BT CW 18-05-2002 Sat 0230 (MS)
6715.0  M13d   303 (R5) BT 266 492 BT CW 19-05-2002 Sun 0230 (MS)
6758    S17c   Msg 98036 USB 11-05-2002 Sat 1255 (AB)
6758    S17C   98034 CW 12-05-2002 Sun 1250 (HFD)
6758.0  S17c   "82046" USB 04-05-2002 Sat 1250 (AF)
6767.0  M8a    ID 05233 16571 95323 CW 12-05-2002 Sun 1200 (MS)
6767.0  M8a    ID 56292 95411 30341 CW 19-05-2002 Sun 1200 (MS)
6780.0  M10    (In progress) 844x3 BTx2 19x2 46x2 (probably an 0410z
               sked) CW 05-05-2002 Sun 0421 (MS)
6780.0  M10    (in progress) 334x3 39x2 18x2 BTx2 CW 11-05-2002 Sat
               0422 (MS)
6780.0  M10    555x3 727x3 40 479x3 30 (R5) CW 18-05-2002 Sat 0410
6780.0  M10    555x3 727x3 40 479x3 30(R5) CW 19-05-2002 Sun 0410
6780.0  M10    555x3 760x3 24 821x3 31 (R5) CW 26-05-2002 Sun 0410
6780.0  M10    555x3 312x3 17 981x3 28 (R5) CW 31-05-2002 Fri 0410
6796.0  M8a    ID 27083 19563 23181 CW 25-05-2002 Sat 1200 (MS)
6797.0  M8a    (too weak to copy) CW 27-05-2002 Mon 1300 (MS)
6826.0  V02a   ID 48002 23452 61862 (late start) AM 27-05-2002 Mon
               0900 (MS)
6840    E10    EZI//11565 USB 05-05-2002 Sun 1900 (TI)
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6840    E10    EZI2//9130 11565 USB 18-05-2002 Sat 1900 (TI)
6840.0  E10    In progress USB 02-05-2002 Thu 0123 (JSI)
6866.0  M8a    ID 11892 13952 91333 CW 25-05-2002 Sat 1300 (MS)
6866.0  M8a    (in progress - too weak to copy) CW 27-05-2002 Mon
               1400 (MS)
6874    M87    248 248 248 000 000 CW 22-05-2002  1300 (IB)
6912    E10    CIO2 USB 27-04-2002 Sat 1545 (TI)
6912    E10    CIO2//8127 USB 29-04-2002 Mon 1545 (TI)
6912    E10    CIO2//8127 5339 USB 29-04-2002 Mon 1645 (TI)
6912    E10    CIO2//5339 USB 03-05-2002 Fri 1945 (TI)
6912    E10    CIO2//5339 USB 05-05-2002 Sun 1845 (TI)
6912    E10    CIO2//4360 5339 USB 07-05-2002 Tue 1945 (TI)
6912    E10    CIO2 USB 12-05-2002 Sun 1545 (TI)
6912    E10    CIO2//5339 USB 12-05-2002 Sun 1745 (TI)
6912    E10    CIO2//9202 4360 USB 12-05-2002 Sun 1845 (TI)
6912    E10    CIO2//4360 5339 USB 18-05-2002 Sat 1845 (TI)
6912    E10    CIO2//4360 5339 USB 18-05-2002 Sat 1945 (TI)
6912    E10    CIO2//5339 USB 19-05-2002 Sun 1545 (TI)
6912.0  E10    in progress repeating CIOSE, still up at 2215 AM
               10-05-2002 Fri 2040 (ASC)
6930    E10    VLB2//8025 5170 USB 27-04-2002 Sat 1645 (TI)
6930    E10    VLB2//8025 USB 29-04-2002 Mon 1545 (TI)
6930    E10    VLB2//5170 USB 03-05-2002 Fri 1945 (TI)
6930    E10    VLB2//5170 USB 07-05-2002 Tue 1945 (TI)
6930    E10    VLB2//4015 5170 USB 18-05-2002 Sat 1845 (TI)
6930    E10    VLB2//5170 USB 18-05-2002 Sat 1945 (TI)
6930    E10    VLB2 USB 19-05-2002 Sun 1545 (TI)
6930.0  E10    VLBSE ... still going.  Strong signal also. USB
               10-05-2002 Fri 0306 (JSI)
6930.0  E10    in progress repeating VLBSE, still up at 2215 AM
               10-05-2002 Fri 2013 (ASC)
6932.0  M8a    ID 27083 19563 23181 CW 25-05-2002 Sat 1300 (MS)
6950    E05    210/100 11423 //7585 AM 20-05-2002 Mon 2100 (HFD)
6950    E05    210/100 11423 //7585 AM 22-05-2002 Wed 2100 (HFD)
6950    E05    210 very weak //7585 AM 23-05-2002 Sat 2100 (HFD)
6950    E05    210/100 strong //7585 AM 25-05-2002 Sat 2100 (HFD)
6950    E05    210/100 11423 //7585 AM 26-05-2002 Sun 2100 (HFD)
6950.0  E05    210, count 100, //7585 USB 03-05-2002 Fri 2100 (ASC)
6950.0  E05    210, count 100, //7585 USB 10-05-2002 Fri 2100 (ASC)
6950.0  E05    210 USB 14-05-2002 Tue 2100 (ASC)
6950.0  E05    210, count 100, //7585 USB 22-05-2002 Wed 2100 (ASC)
6950.0  E05    Call 210 Count 100 114/23 ... USB 24-05-2002 Fri 2100
6959    E03    50665//11545 USB 05-05-2002 Sun 1906 (TI)
6959.0  E03    11876 USB 13-05-2002 Mon 2200 (GG)
6959.0  E03    LP USB 23-05-2002 Thu 1900 (GG)
6959.0  E03    85210 USB 23-05-2002 Thu 2000 (GG)
6959.0  E03    85210 USB 24-05-2002 Fri 2100 (GG)
6959.0  E03    12608 USB 24-05-2002 Fri 2200 (GG)
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6960    E05    211/150 27830 //9090 AM 20-05-2002 Mon 2200 (HFD)
6960    E05    211/150 27830 //9090 AM 22-05-2002 Wed 2200 (HFD)
6960.0  E05    Call 211 Count 150 278/30 ... USB 13-05-2002 Mon 2200
6970    E05    Counting Station in progress USB 04-05-2002 Sat 2111
6970    E05    135/180 35172 //8110 AM 25-05-2002 Sat 2100 (HFD)
6970.0  E05    383, count 120, //8110 USB 14-05-2002 Tue 2100 (ASC)
6982.0  M8a    (in progress - missed callup) CW 27-05-2002 Mon 1200
6986    E10    ART2//5435 USB 05-05-2002 Sun 1900 (TI)
6986    E10    ART2 USB 18-05-2002 Sat 1900 (TI)
6986.0  E10    ART USB 24-05-2002 Fri 2300 (GG)
7039    MXC    D F CW 10-05-2002 Fri 1909 (TI)
7322    E10    USB 05-05-2002 Sun 1945 (TI)
7322    E10    FTJ USB 07-05-2002 Tue 1930 (TI)
7322    E10    FTJ USB 18-05-2002 Sat 1930 (TI)
7358    E10    Israeli Intel. in progress AM 01-05-2002  2107 (AK)
7358    E10    FTJ2 USB 12-05-2002 Sun 1700 (TI)
7445    E10    MIW2//6370 USB 02-05-2002 Thu 1815 (TI)
7445    E10    MIW2//6370 USB 03-05-2002 Fri 1815 (TI)
7445    E10    MIW6//6370 USB 03-05-2002 Fri 1916 (TI)
7445    E10    Israeli Intel. MIW2 AM 05-05-2002 Sun 2018 (AB)
7445    E10    MIW2//6370 USB 12-05-2002 Sun 1816 (TI)
7445    E10    MIW2 USB 18-05-2002 Sat 1815 (TI)
7445    E10    MIW2//4165 6370 USB 18-05-2002 Sat 1915 (TI)
7445.0  E10    MIW2 USB 24-05-2002 Fri 2117 (GG)
7519.0  M8a    (in progress - missed callup) CW 27-05-2002 Mon 1300
7540    E10    JSR2 USB 27-04-2002 Sat 1600 (TI)
7555.0  V02a   (in progress) ID  ----- 72352 -----  YL/SS AM
               26-05-2002 Sun 0300 (MS)
7583.0  V02a   ID 48002 23452 61862 AM 27-05-2002 Mon 1000 (MS)
7585    E05    210/100 11423 //6950 AM 20-05-2002 Mon 2100 (HFD)
7585    E05    210/100 11423 //6950 AM 22-05-2002 Wed 2100 (HFD)
7585    E05    210 very weak //6950 AM 23-05-2002 Sat 2100 (HFD)
7585    E05    210/100 strong //6950 AM 25-05-2002 Sat 2100 (HFD)
7585    E05    210/100 11423 //6950 AM 26-05-2002 Sun 2100 (HFD)
7585.0  E05    210, count 100, //6950 USB 03-05-2002 Fri 2100 (ASC)
7585.0  E05    210, count 100, //6950 USB 10-05-2002 Fri 2100 (ASC)
7585.0  E05    210, count 100, //6950 USB 22-05-2002 Wed 2100 (ASC)
7585.0  E05    Call 210 Count 100 114/23 ... USB 24-05-2002 Fri 2100
7605    E10    SYN2 USB 27-04-2002 Sat 1546 (TI)
7605    E10    SYN2 USB 27-04-2002 Sat 1645 (TI)
7605    E10    SYN2 USB 29-04-2002 Mon 1546 (TI)
7605    E10    SYN2 USB 29-04-2002 Mon 1645 (TI)
7605    E10    SYN2//4780 USB 03-05-2002 Fri 1946 (TI)
7605    E10    SYN2 USB 05-05-2002 Sun 1645 (TI)
7605    E10    SYN2//4780 USB 05-05-2002 Sun 1946 (TI)
7605    E10    SYN2 USB 12-05-2002 Sun 1645 (TI)
7605    E10    SYN2//4780 USB 12-05-2002 Sun 1845 (TI)
7605    E10    SYN2//4780 USB 18-05-2002 Sat 1946 (TI)
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7605    E10    SYN2 USB 19-05-2002 Sun 1545 (TI)
7605.0  E10    SYNSE .... still going.  Very Clear. USB 10-05-2002
               Fri 0304 (JSI)
7667.0  M16    VVVx3 8BYx3  195/124/077/161/455 CW 26-05-2002 Sun
               0240 (MS)
7667.0  M16    VVVx3 8BYx3  706/353/739/155 CW 26-05-2002 Sun 0340
               (MS)
7667.0  M16    VVVx3 8BYx3  354/449/364/643 CW 26-05-2002 Sun 0540
               (MS)
7667.0  M16    VVVx3 8BYx3  (QRN blocks badly) CW 27-05-2002 Mon 0140
                (MS)
7760    E10    ULX2//6270 USB 28-04-2002 Sun 1530 (TI)
7760    E10    ULX//6270 USB 29-04-2002 Mon 1601 (TI)
7760    E10    ULX//4880 6270 USB 02-05-2002 Thu 1830 (TI)
7760    E10    ULX//6270 USB 04-05-2002 Sat 1830 (TI)
7760    E10    ULX2//6270 USB 05-05-2002 Sun 1530 (TI)
7760    E10    ULX//6270 USB 11-05-2002 Sat 1830 (TI)
7760    E10    ULX2 USB 12-05-2002 Sun 1530 (TI)
7760    E10    ULX2 USB 12-05-2002 Sun 1600 (TI)
7760    E10    ULX//4880 6270 USB 12-05-2002 Sun 1830 (TI)
7760    E10    ULX//4880 6270 USB 18-05-2002 Sat 1830 (TI)
7760    E10    ULX2 USB 19-05-2002 Sun 1530 (TI)
7760    E10    ULX2 USB 19-05-2002 Sun 1600 (TI)
7863.0  M8a    ID ----- ----- ----- (in progress) CW 11-05-2002 Sat
7918    E10    YHF//10648 USB 27-04-2002 Sat 1601 (TI)
7918    E10    YHF USB 28-04-2002 Sun 1500 (TI)
7918    E10    YHF//10648 USB 29-04-2002 Mon 1601 (TI)
7918    E10    YHF USB 02-05-2002 Thu 1501 (TI)
7918    E10    YHF//10648 5820 USB 02-05-2002 Thu 1801 (TI)
7918    E10    YHF//10648 5820 USB 03-05-2002 Fri 1801 (TI)
7918    E10    YHF2//5820 USB 03-05-2002 Fri 1931 (TI)
7918    E10    YHF//10648 5820 USB 05-05-2002 Sun 1800 (TI)
7918    E10    YHF2//5820 USB 05-05-2002 Sun 1930 (TI)
7918    E10    YHF2//5820 USB 07-05-2002 Tue 1931 (TI)
7918    E10    //10648 5820 USB 11-05-2002 Sat 1815 (TI)
7918    E10    YHF//10648 USB 12-05-2002 Sun 1615 (TI)
7918    E10    YHF//10648 5820 USB 12-05-2002 Sun 1800 (TI)
7918    E10    //10648 5820 USB 18-05-2002 Sat 1816 (TI)
7918    E10    YHF2 USB 18-05-2002 Sat 1931 (TI)
7918.0  E10    YHF2 USB 24-05-2002 Fri 2230 (GG)
7960.0  M23    310 (R10) CW 11-05-2002 Sat 0200 (MS)
7960.0  M23    310 (R10) CW 18-05-2002 Sat 0200 (MS)
7960.0  M23    310 (R10) CW 19-05-2002 Sun 0200 (MS)
7960.0  M23    310 (R10) CW 26-05-2002 Sun 0200 (MS)
8025    E10    VLB2 USB 27-04-2002 Sat 1546 (TI)
8025    E10    VLB2//6930 5170 USB 27-04-2002 Sat 1646 (TI)
8025    E10    VLB2//6930 USB 29-04-2002 Mon 1547 (TI)
8025    E10    VLB2 USB 29-04-2002 Mon 1646 (TI)
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8080.0 E05   074, count 106, //10321 USB 03-05-2002 Fri 2100 (ASC)
8085   E05   210/100 11423 //9219 AM 20-05-2002 Mon 1900 (HFD)
8085   E05   210/100 11423 //9219 AM 26-05-2002 Sun 1900 (HFD)
8085.0 E05   Calling "210" AM 19-05-2002 Sun 1900 (PB2)
8085.0 E05   AM 19-05-2002 Sun 1900 (PB2)
8085.0 E05   210, //9219 USB 20-05-2002 Mon 1900 (ASC)
8085.0 E05   210 count 100 //9219 USB 28-05-2002 Tue 1900 (ASC)
8097.0 V02A   In progress AM 04-05-2002 Sat 0600 (GWI)
8110   E05   Counting Station in progress USB 04-05-2002 Sat 2111
8110   E05   135/180 35172 //6970 AM 25-05-2002 Sat 2100 (HFD)
8110.0 E05   383, count 120, //6970 USB 14-05-2002 Tue 2100 (ASC)
8125   Unid. High speed morse in progress. Ends 00000 (long
               zeros) CW 09-05-2002 Thu 1840 (AB)
8127   E10   CIO2//5339 USB 27-04-2002 Sat 1646 (TI)
8127   E10   CIO2//6912 USB 29-04-2002 Mon 1547 (TI)
8127   E10   CIO2//6912 5339 USB 29-04-2002 Mon 1646 (TI)
8136.0 M8a   (In progress) ID 94942 ----- ----- CW 05-05-2002 Sun
               1002 (MS)
8136.0 M8a   ID 95311 92271 56352 CW 19-05-2002 Sun 1000 (MS)
8136.0 M8a   ID 90443 12182 35412 CW 25-05-2002 Sat 1100 (MS)
8136.0 M8a   ID 15382 35531 35413 (harmonic on 16272m) CW
               26-05-2002 Sun 1000 (MS)
8142   M10   555 555 555 244 21 131 37 CW 09-05-2002 Thu 1900 (AB)
8160.0 M23   310 (10) CW 11-05-2002 Sat 0130 (MS)
8160.0 M23   310 (R10) CW 13-05-2002 Mon 0130 (MS)
8188.0 E23   n progress USB 09-05-2002 Thu 1210 (SE)
8210   M40   vvv cq113,698 (R5) vvv cq698 cq698 cq698 CW 12-05-2002
                 1430 (IB)
8300   V13   AM 28-04-2002 Sun 1509 (TI)
8300   V13   AM 02-05-2002 Thu 1506 (TI)
8300   V13   AM 06-05-2002 Mon 1334 (TI)
8313   XSL   USB 12-05-2002 Sun 1621 (TI)
8464   E03   USB 05-05-2002 Sun 1646 (TI)
8464   E03   57898//10426 USB 05-05-2002 Sun 2001 (TI)
8464   E03   65995//10426 USB 07-05-2002 Tue 1501 (TI)
8464   E03   93956//11545 USB 12-05-2002 Sun 1601 (TI)
8464   E03   52195//6485 USB 18-05-2002 Sat 1901 (TI)
8464   E03   12608//10426 11545 USB 19-05-2002 Sun 1601 (TI)
8495   MXC   F CW 04-05-2002 Sat 1826 (TI)
8495   MXC   F CW 12-05-2002 Sun 1637 (TI)
8588   XSL   USB 07-05-2002 Tue 0944 (TI)
8588   XSL   USB 12-05-2002 Sun 1641 (TI)
8703.5 XSL   USB 07-05-2002 Tue 0945 (TI)
8703.5 XSL   USB 12-05-2002 Sun 1711 (TI)
8805   E10   PCD2 USB 27-04-2002 Sat 1701 (TI)
8805   E10   PCD2 USB 12-05-2002 Sun 1701 (TI)
8805   E10   PCD//6498 USB 12-05-2002 Sun 1731 (TI)
9062.0 M8a   ID 15381 65463 35412 (rpt of 0400z on 10236m) CW

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                26-05-2002 Sun 0500 (MS)
9062.0  M8a     ID 56272 07274 96353 CW 31-05-2002 Fri 0500 (MS)
9064.0  M8a     ID 04692 46371 40151 CW 26-05-2002 Sun 0700 (MS)
9090    E05     211/150 27830 //6960 AM 20-05-2002 Mon 2200 (HFD)
9090    E05     211/150 27830 //6960 AM 22-05-2002 Wed 2200 (HFD)
9090.0  E05     counts 1-0, 342x3, dropped USB 01-05-2002 Wed 2200
9090.0  E05     Call 211 Count 150 278/30 ... USB 13-05-2002 Mon 2200
9113.0  M8a     ID ----- ----- ----- (in progress) CW 11-05-2002 Sat
9113.0  M8a     (in progress) ----- ----- ----- CW 25-05-2002 Sat 0700
9115.0  G06     "308 416 20 68697..." AM 06-05-2002 Mon 2000 (AF)
9130    E10     EZI//11565 13533 USB 02-05-2002 Thu 1831 (TI)
9130    E10     EZI//11565 13533 USB 04-05-2002 Sat 1831 (TI)
9130    E10     EZI//11565 13533 USB 05-05-2002 Sun 1831 (TI)
9130    E10     EZI//11565 13533 USB 05-05-2002 Sun 2001 (TI)
9130    E10     EZI//11565 13533 USB 11-05-2002 Sat 1831 (TI)
9130    E10     EZI//13533 USB 12-05-2002 Sun 1731 (TI)
9130    E10     EZI//11565 13533 USB 12-05-2002 Sun 1831 (TI)
9130    E10     EZI//11565 13533 USB 18-05-2002 Sat 1831 (TI)
9130    E10     EZI2//6840 11565 USB 18-05-2002 Sat 1901 (TI)
9130    E10     EZI2//11565 13533 USB 18-05-2002 Sat 2001 (TI)
9130.0  E10     EZI 42 OMRPR USB 23-05-2002 Thu 2000 (GG)
9142.0  E17     627x3 00000, repeating AM 08-05-2002 Wed 0200 (BS4)
9152.0  M8a     ID 90443 12182 35412 CW 25-05-2002 Sat 1200 (MS)
9153    M08a    in progress CW 31-05-2002 Fri 1012 (EW)
9153.0  M8a     ID 64911 ---- ---- (in progress) CW 11-05-2002 Sat
9153.0  M8a     ID 15383 96351 35532 CW 27-05-2002 Mon 1000 (MS)
9153.0  V02a    (in progress) ----- ----- ----- AM 25-05-2002 Sat 0700
9190.0  E06     ended with 380 380 157 157 00000 USB 24-05-2002 Fri
                2208 (GG)
9202    E10     YHF//10648 USB 02-05-2002 Thu 1831 (TI)
9202    E10     YHF//10648 USB 04-05-2002 Sat 1831 (TI)
9202    E10     YHF//10648 USB 11-05-2002 Sat 1831 (TI)
9202    E10     YHF//10648 USB 12-05-2002 Sun 1831 (TI)
9202    E10     CIO2//6912 4360 USB 12-05-2002 Sun 1847 (TI)
9212.0  V02     very faint, vanished a moment later USB 24-05-2002 Fri
                 2212 (GG)
9219    E05     210 USB 07-05-2002 Tue 1906 (TI)
9219    E05     310 USB 18-05-2002 Sat 1908 (TI)
9219    E05     210/100 11423 //8085 AM 20-05-2002 Mon 1900 (HFD)
9219    E05     210/100 11423 //8085 AM 26-05-2002 Sun 1900 (HFD)
9219.0  E05     210, //8085 USB 20-05-2002 Mon 1900 (ASC)
9219.0  E05     Call 210 USB 23-05-2002 Thu 1900 (GG)
9219.0  E05     Call 210 Count 100 114/23 ... USB 24-05-2002 Fri 1900
9219.0  E05     210 count 100 //8085 USB 28-05-2002 Tue 1900 (ASC)
9230.0  S06     in progress AM 06-05-2002 Mon 2008 (AF)
9230.0  S06     254 639 117 19329..." AM 07-05-2002 Tue 1950 (SE)
9230.0  S06     254 00000" AM 14-05-2002 Tue 1950 (SE)
9230.0  S06     no msg AM 14-05-2002 Tue 1950 (ASC)
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 9230.0  S06    254 00000 AM 28-05-2002 Tue 1950 (ASC)
 9230.0  S06?   om reading numbers in russian AM 21-05-2002 Tue 1953
                (ASC)
 9238.0  M8a    ID 59602 29033 02233 CW 27-05-2002 Mon 0900 (MS)
 9239.0  M8a    ID 18503 70621 72151 CW 12-05-2002 Sun 1100 (MS)
 9239.0  M8a    ID 95311 92271 56352 (rpt of 1000z on 8136m) CW
                19-05-2002 Sun 1100 (MS)
 9239.0  M8a    ID 15382 35531 35413 (harmonic on 18478m and rpt of
                1000z on CW 26-05-2002 Sun 1100 (MS)
 9251.0  E03    85210 USB 23-05-2002 Thu 2000 (GG)
 9251.0  E03    85210 USB 24-05-2002 Fri 2100 (GG)
 9251.0  E03    12608 USB 24-05-2002 Fri 2200 (GG)
 9270    E10    USB 28-04-2002 Sun 1516 (TI)
 9270    E10    ???2 USB 02-05-2002 Thu 1516 (TI)
 9270.0  V02a   AM 09-05-2002 Thu 0200 (NSC)
 9320.0  S06    AM 10-05-2002 Fri 2000 (ASC)
 9323.0  M8a    ID 18783 34421 37002 CW 25-05-2002 Sat 1000 (MS)
 9323.0  M8a    ID 59601 29032 02232 CW 26-05-2002 Sun 0900 (MS)
 9323.0  M8a    (in progress - missed callup) CW 28-05-2002 Tue 1000
 9330.0  M8a    ID 55172 28983 99613 CW 27-05-2002 Mon 1200 (MS)
 9331.0  M8a    ID 99522 62013 86333 CW 12-05-2002 Sun 1200 (MS)
 9331.0  M8a    ID 49623 04681 97541 CW 19-05-2002 Sun 1200 (MS)
 9331.0  M8a    (in progress - missed callup) CW 29-05-2002 Wed 1200
 9725    V13    AM 02-05-2002 Thu 1506 (TI)
 9725    V13    AM 06-05-2002 Mon 1334 (TI)
 9965    M13    865 CW 24-05-2002 Fri 1500 (HFD)
10126.0  M8a    ID 45302 96353 07565 CW 29-05-2002 Wed 1100 (MS)
10127.0  M8a    ID 15383 96351 35532 CW 27-05-2002 Mon 1100 (MS)
10235.0  M8a    (In progress) ID ----- ----- ----- CW 05-05-2002 Sun
10235.0  M8a    ID 15383 74043 96351 CW 28-05-2002 Tue 0400 (MS)
10235.0  M8a    ID 56272 07274 96353 CW 31-05-2002 Fri 0400 (MS)
10236.0  M8a    ID 15381 65463 35412 CW 26-05-2002 Sun 0400 (MS)
10236.0  M8a    ID 59601 29032 02232 CW 26-05-2002 Sun 0800 (MS)
10248    M16    8BY. DGSE. 5x 3FGs CW 30-04-2002  1049 (RGA)
10321.0  E05    074, count 106, //8080 USB 03-05-2002 Fri 2100 (ASC)
10346.0  M8a    ID 18783 34421 37002 CW 25-05-2002 Sat 1100 (MS)
10426    E03    57898//8464 USB 05-05-2002 Sun 2004 (TI)
10426    E03    65995//8464 USB 07-05-2002 Tue 1503 (TI)
10426    E03    12608//8464 11545 USB 19-05-2002 Sun 1604 (TI)
10520           307 repeated in English LSB 15-05-2002  2151 (STO)
10527    E05    ip //13996 AM 20-05-2002 Mon 0815 (HFD)
10566.0  M8a    ID 99522 62013 86333 (repeat of 1200z sked on 9331m)
                CW 12-05-2002 Sun 1300 (MS)
10566.0  M8a    ID 49623 04681 97541 (rpt of 1200z on 9331m) CW
                19-05-2002 Sun 1300 (MS)
10566.0  M8a    ID 55172 28983 99613 CW 27-05-2002 Mon 1300 (MS)
10642.0  S10E   USB 09-05-2002 Thu 1300 (SE)
10648    E10    YHF//7918 USB 27-04-2002 Sat 1602 (TI)
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10648    E10    YHF//7918 USB 29-04-2002 Mon 1602 (TI)
10648    E10    YHF//7918 5820 USB 02-05-2002 Thu 1801 (TI)
10648    E10    YHF//9202 USB 02-05-2002 Thu 1832 (TI)
10648    E10    YHF//7918 5820 USB 03-05-2002 Fri 1801 (TI)
10648    E10    YHF//9202 USB 04-05-2002 Sat 1831 (TI)
10648    E10    YHF//7918 5820 USB 05-05-2002 Sun 1801 (TI)
10648    E10    YHF USB 05-05-2002 Sun 1831 (TI)
10648    E10    //7918 5820 USB 11-05-2002 Sat 1816 (TI)
10648    E10    YHF//9202 USB 11-05-2002 Sat 1832 (TI)
10648    E10    YHF//7918 USB 12-05-2002 Sun 1601 (TI)
10648    E10    YHF//7918 5820 USB 12-05-2002 Sun 1801 (TI)
10648    E10    YHF//9202 USB 12-05-2002 Sun 1831 (TI)
10648    E10    //7918 5820 USB 18-05-2002 Sat 1817 (TI)
10648    E10    YHF USB 18-05-2002 Sat 1831 (TI)
10648    E10    YHF USB 19-05-2002 Sun 1601 (TI)
10648.0  E10    YHF 2 msgs: 89 NWZPA/29 AEAVQ USB 24-05-2002 Fri 1600
                (GG)
10715.0  M8a    ID 93733 22705 51531 CW 29-05-2002 Wed 1100 (MS)
10872    MXC    D CW 04-05-2002 Sat 1826 (TI)
10970    XPH    null AM 30-04-2002 Tue 2020 (TI)
11020.0  M23    310 (R10) CW 13-05-2002 Mon 0100 (MS)
11020.0  M23    310 (R10) CW 26-05-2002 Sun 0100 (MS)
11020.0  M23    310 (R10) CW 27-05-2002 Mon 0100 (MS)
11020.0  M23    310 (R10) CW 28-05-2002 Tue 0100 (MS)
11072    E05    389//13465 USB 02-05-2002 Thu 1806 (TI)
11072    E05    870 USB 05-05-2002 Sun 1804 (TI)
11072    E05    870/176 27351 //13465 AM 26-05-2002 Sun 1800 (HFD)
11116    E11    232/00 AM 30-05-2002 Thu 0800 (HFD)
11130.0  S06    in progress AM 06-05-2002 Mon 1902 (AF)
11130.0  S06    n progress AM 07-05-2002 Tue 1855 (SE)
11130.0  S06    in progress, ended with 00000 AM 28-05-2002 Tue 1854
11140.0  E06    ended with 157 00000 USB 24-05-2002 Fri 2125 (GG)
11411    M42    FAPSI. Msg on link 40034 RTTY 30-04-2002  1951 (RGA)
11430    V13    AM 28-04-2002 Sun 1510 (TI)
11430    V13    AM 02-05-2002 Thu 1506 (TI)
11430    V13    AM 03-05-2002 Fri 0619 (TI)
11430    V13    AM 06-05-2002 Mon 1334 (TI)
11431.0  M8a    ID 15383 74043 96351 CW 28-05-2002 Tue 0500 (MS)
11485.0  G06    308 416 20 68697..." AM 07-05-2002 Tue 1900 (SE)
11490.0  G06    "308 416 20 68697..." AM 06-05-2002 Mon 1903 (AF)
11545    E03    //13375 USB 28-04-2002 Sun 1505 (TI)
11545    E03    32994//13375 USB 29-04-2002 Mon 1605 (TI)
11545    E03    50665 USB 03-05-2002 Fri 2003 (TI)
11545    E03    //16084 13375 USB 04-05-2002 Sat 1822 (TI)
11545    E03    47152//13375 USB 05-05-2002 Sun 1505 (TI)
11545    E03    97138//13375 USB 05-05-2002 Sun 1704 (TI)
11545    E03    50665//6959 USB 05-05-2002 Sun 1904 (TI)
11545    E03    59720//13375 USB 06-05-2002 Mon 1503 (TI)
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11545    E03    59720//13375 USB 10-05-2002 Fri 1904 (TI)
11545    E03    47152//13375 USB 12-05-2002 Sun 1501 (TI)
11545    E03    93956//8464 USB 12-05-2002 Sun 1604 (TI)
11545    E03    97138//13375 USB 12-05-2002 Sun 1707 (TI)
11545    E03    52822//13375 USB 18-05-2002 Sat 1703 (TI)
11545    E03    25016//13375 USB 18-05-2002 Sat 1809 (TI)
11545    E03    12608//8464 10426 USB 19-05-2002 Sun 1604 (TI)
11545.0  E03    85210 USB 23-05-2002 Thu 2000 (GG)
11545.0  E03    i/p USB 24-05-2002 Fri 1543 (GG)
11545.0  E03    85210 USB 24-05-2002 Fri 2100 (GG)
11545.0  E10    USB 26-05-2002 Sun 1415 (Mac)
11565    E03    50665 USB 07-05-2002 Tue 1907 (TI)
11565    E10    EZI2//13533 USB 27-04-2002 Sat 1602 (TI)
11565    E10    EZI//13533 USB 27-04-2002 Sat 1631 (TI)
11565    E10    EZI//13533 USB 27-04-2002 Sat 1702 (TI)
11565    E10    EZI2//13533 USB 29-04-2002 Mon 1602 (TI)
11565    E10    EZI//13533 USB 29-04-2002 Mon 1631 (TI)
11565    E10    EZI//13533 USB 02-05-2002 Thu 1802 (TI)
11565    E10    EZI//9130 13533 USB 02-05-2002 Thu 1832 (TI)
11565    E10    EZI//13533 USB 03-05-2002 Fri 1802 (TI)
11565    E10    EZI//13533 USB 03-05-2002 Fri 1931 (TI)
11565    E10    EZI//9130 13533 USB 04-05-2002 Sat 1831 (TI)
11565    E10    USB 05-05-2002 Sun 1647 (TI)
11565    E10    EZI USB 05-05-2002 Sun 1701 (TI)
11565    E10    EZI//13533 USB 05-05-2002 Sun 1801 (TI)
11565    E10    EZI//9130 13533 USB 05-05-2002 Sun 1832 (TI)
11565    E10    EZI//6840 USB 05-05-2002 Sun 1902 (TI)
11565    E10    EZI USB 05-05-2002 Sun 1931 (TI)
11565    E10    EZI//9130 13533 USB 05-05-2002 Sun 2001 (TI)
11565    E10    EZI//13533 USB 07-05-2002 Tue 1932 (TI)
11565    E10    //13533 USB 11-05-2002 Sat 1816 (TI)
11565    E10    EZI//9130 13533 USB 11-05-2002 Sat 1832 (TI)
11565    E10    EZI2//13533 USB 12-05-2002 Sun 1601 (TI)
11565    E10    EZI//13533 USB 12-05-2002 Sun 1631 (TI)
11565    E10    EZI//13533 USB 12-05-2002 Sun 1701 (TI)
11565    E10    EZI//13533 USB 12-05-2002 Sun 1802 (TI)
11565    E10    EZI//9130 13533 USB 12-05-2002 Sun 1832 (TI)
11565    E10    //13533 USB 18-05-2002 Sat 1817 (TI)
11565    E10    EZI//9130 13533 USB 18-05-2002 Sat 1832 (TI)
11565    E10    EZI2//6840 9130 USB 18-05-2002 Sat 1902 (TI)
11565    E10    EZI//13533 USB 18-05-2002 Sat 1932 (TI)
11565    E10    EZI2//9130 13533 USB 18-05-2002 Sat 2002 (TI)
11565    E10    EZI2 USB 19-05-2002 Sun 1601 (TI)
11565.0  E10    very weak USB 02-05-2002 Thu 0121 (JSI)
11565.0  E10    i/p USB 23-05-2002 Thu 1948 (GG)
11565.0  E10    EZI 42 OMRPR USB 23-05-2002 Thu 2000 (GG)
11565.0  E10    EZI2 USB 24-05-2002 Fri 2130 (GG)
12203    E07    682/1-3824/32= 19810 AM 29-05-2002 Wed 2040 (HFD)
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12215    V02a   in progress with deep fades AM 28-05-2002 Tue 0206
12216.0  M13    458 (R5) BT 212 19 BT CW 13-05-2002 Mon 2200 (MS)
12376    E10    Israeli Intel. KPA2 AM 02-05-2002  0322 (Vambo)
12376    E10    KPA2//18178 USB 02-05-2002 Thu 1817 (TI)
12376    E10    KPA2//18178 USB 03-05-2002 Fri 1816 (TI)
12376    E10    KPA2//18178 USB 03-05-2002 Fri 1919 (TI)
12603.0  E03    i/p USB 24-05-2002 Fri 1543 (GG)
12603.0  E03    79447 USB 24-05-2002 Fri 1600 (GG)
12714    M13    714 CW 24-05-2002 Fri 2000 (HFD)
12714.0  M13    714 (R5) (Too weak for any other copy) CW 09-05-2002
                Thu 2000 (MS)
13374    M12    963/1 XP-frequency CW 31-05-2002 Fri 2050 (HFD)
13374    XP     msg AM 24-05-2002 Fri 2050 (HFD)
13375    E03    //11545 USB 28-04-2002 Sun 1511 (TI)
13375    E03    32994//11545 USB 29-04-2002 Mon 1607 (TI)
13375    E03    //11545 16084 USB 04-05-2002 Sat 1824 (TI)
13375    E03    47152//11545 USB 05-05-2002 Sun 1508 (TI)
13375    E03    97138//11545 USB 05-05-2002 Sun 1706 (TI)
13375    E03    59720//11545 USB 06-05-2002 Mon 1505 (TI)
13375    E03    59720//11545 USB 10-05-2002 Fri 1902 (TI)
13375    E03    47152//11545 USB 12-05-2002 Sun 1503 (TI)
13375    E03    97138//11545 USB 12-05-2002 Sun 1706 (TI)
13375    E03    52822//11545 USB 18-05-2002 Sat 1702 (TI)
13375    E03    25016//11545 USB 18-05-2002 Sat 1809 (TI)
13375.0  E03    i/p USB 24-05-2002 Fri 1543 (GG)
13389    V02a   doing 5FG then went to ATENCION X Y Z (repeat)  then
                into 5FGs AM 08-05-2002  0643 (Vambo)
13389.0  V02A   stubbled on it while doing 5FG then whent into TENCION
                 X Y Z AM 08-05-2002 Wed 0006 (Vambo)
13415.0  M13    261 (R5) BT 256 21 BT CW 05-05-2002 Sun 2000 (MS)
13415.0  M8a    261 (R5) BT 256 21 BT CW 19-05-2002 Sun 1900 (MS)
13415.0  M8a    261 (R5) BT 256 21 BT (rpt of 1900z on same freq) CW
                19-05-2002 Sun 2000 (MS)
13417    XPH    null AM 07-05-2002 Tue 2020 (TI)
13465    E05    389//11072 USB 02-05-2002 Thu 1806 (TI)
13465    E05    870/176 27351 //11072 AM 26-05-2002 Sun 1800 (HFD)
13532.9  E10    i/p USB 23-05-2002 Thu 1948 (GG)
13533    E10    EZI2//11565 USB 27-04-2002 Sat 1602 (TI)
13533    E10    EZI//11565 USB 27-04-2002 Sat 1632 (TI)
13533    E10    EZI//11565 USB 27-04-2002 Sat 1702 (TI)
13533    E10    EZI2 USB 28-04-2002 Sun 1502 (TI)
13533    E10    EZI2//11565 USB 29-04-2002 Mon 1602 (TI)
13533    E10    EZI//11565 USB 29-04-2002 Mon 1648 (TI)
13533    E10    EZI2 USB 02-05-2002 Thu 1502 (TI)
13533    E10    EZI//11565 USB 02-05-2002 Thu 1802 (TI)
13533    E10    EZI//9130 11565 USB 02-05-2002 Thu 1833 (TI)
13533    E10    EZI//11565 USB 03-05-2002 Fri 1802 (TI)
13533    E10    EZI//11565 USB 03-05-2002 Fri 1932 (TI)
```

13533	E10	EZI//9130 11565 USB 04-05-2002 Sat 1832 (TI)
13533	E10	EZI//11565 USB 05-05-2002 Sun 1802 (TI)
13533	E10	EZI//9130 11565 USB 05-05-2002 Sun 1833 (TI)
13533	E10	EZI//9130 11565 USB 05-05-2002 Sun 2002 (TI)
13533	E10	EZI2 USB 06-05-2002 Mon 1502 (TI)
13533	E10	EZI//11565 USB 07-05-2002 Tue 1932 (TI)
13533	E10	//11565 USB 11-05-2002 Sat 1817 (TI)
13533	E10	EZI//9130 11565 USB 11-05-2002 Sat 1833 (TI)
13533	E10	EZI2//11565 USB 12-05-2002 Sun 1602 (TI)
13533	E10	EZI//11565 USB 12-05-2002 Sun 1632 (TI)
13533	E10	EZI//11565 USB 12-05-2002 Sun 1702 (TI)
13533	E10	EZI//9130 USB 12-05-2002 Sun 1731 (TI)
13533	E10	EZI//11565 USB 12-05-2002 Sun 1802 (TI)
13533	E10	EZI//9130 11565 USB 12-05-2002 Sun 1832 (TI)
13533	E10	//11565 USB 18-05-2002 Sat 1818 (TI)
13533	E10	EZI//9130 11565 USB 18-05-2002 Sat 1832 (TI)
13533	E10	EZI//11565 USB 18-05-2002 Sat 1932 (TI)
13533	E10	EZI2//9130 11565 USB 18-05-2002 Sat 2003 (TI)
13533.0	E10	EZI 42 OMRPR USB 23-05-2002 Thu 2000 (GG)
13750	V13	AM 28-04-2002 Sun 1510 (TI)
13872	E07	682/1-3824/32= 19810 AM 29-05-2002 Wed 2020 (HFD)
13996	E05	Counting Station in progress AM 09-05-2002 0811 (PP)
13996	E05	ip //10527 AM 20-05-2002 Mon 0815 (HFD)
14108	F4LP	Russian Mil. Wkg W3XA, NEMY, J1YX, PGZR, KOAB, TNSS, IWE8, 1N6K, TMSZ CX Net, other end not heard CW 10-05-2002 0331 (JC5)
14208	9TBR	Russian Mil. 5LG msg to XVMJ; Receives msg fm KNHJ; later comm ck with SDZD, DWGC, CMIO, HVC3, VCLO, O6H3, YSDL CW 29-05-2002 Wed 0306 (JC5)
14487	E03	in progress USB 08-05-2002 1719 (PP)
14487.0	E03	79447 USB 24-05-2002 Fri 1600 (GG)
14487.0	E03	57924 USB 25-05-2002 Sat 1200 (GG)
14573	M40	vvv cq995,544 (R5) vvv cq544 cq544 cq544 CW 04-05-2002 2330 (IB)
14642	M42	Dep. of State Comms Moscow. Msg on link 30011 MFSK-32 18-05-2002 0650 (LDO)
14693	XP	msg AM 24-05-2002 Fri 2030 (HFD)
14694	M12	963/1 XP-frequency CW 31-05-2002 Fri 2030 (HFD)
14728	M12	in progress CW 08-05-2002 1915 (PP)
14739	E05	828//16198 USB 28-04-2002 Sun 1506 (TI)
14739	E05	828//16198 USB 05-05-2002 Sun 1505 (TI)
14739	E05	828//16198 USB 07-05-2002 Tue 1505 (TI)
14739	E05	828//16198 USB 12-05-2002 Sun 1502 (TI)
14739	E05	787 //16198 AM 26-05-2002 Sun 1500 (HFD)
14739	E05	ip //16198 AM 31-05-2002 Fri 1515 (HFD)
14739.0	E05	in progress, weak/unreadable USB 21-05-2002 Tue 1500 (ASC)
14780.0	E06	658 658 658 00000" AM 11-05-2002 Sat 1400 (SE)

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14863.0  E06    n progress AM 09-05-2002 Thu 1437 (SE)
14931    M16    (8BY) CW 02-05-2002 Thu 1752 (TI)
14931    M16    (8BY) CW 03-05-2002 Fri 1754 (TI)
14932    M16    8BY. DGSE vvv vvv de 8by 872/037/475 CW 08-05-2002
                1749 (PP)
15682.0  E03    57924 USB 25-05-2002 Sat 1200 (GG)
15913    M12    963/1 XP-frequency CW 31-05-2002 Fri 2010 (HFD)
16084    E03    //11545 13375 USB 04-05-2002 Sat 1824 (TI)
16084.0  E03    79447 USB 24-05-2002 Fri 1600 (GG)
16084.0  E03    57924 USB 25-05-2002 Sat 1200 (GG)
16198    E05    828//14739 USB 28-04-2002 Sun 1507 (TI)
16198    E05    828//14739 USB 05-05-2002 Sun 1506 (TI)
16198    E05    828//14739 USB 07-05-2002 Tue 1505 (TI)
16198    E05    828//14739 USB 12-05-2002 Sun 1502 (TI)
16198    E05    ip AM 22-05-2002 Wed 1615 (HFD)
16198    E05    356 AM 25-05-2002 Sat 1600 (HFD)
16198    E05    787 //14739 AM 26-05-2002 Sun 1500 (HFD)
16198    E05    ip //14739 AM 31-05-2002 Fri 1515 (HFD)
16198.0  E05    in progress, weak/unreadable USB 21-05-2002 Tue 1500
                (ASC)
16227    M42    DOSC Moscow. Msg on link 40034 RTTY   1042 (PP)
16272.0  M8a    (In progress) ID 94942 ----- ----- (Harmonic of 8136m)
                 CW 05-05-2002 Sun 1003 (MS)
16272.0  M8a    ID 90443 12182 35412 (harmonic of 8136m) CW 25-05-2002
                 Sat 1100 (MS)
16272.0  M8a    ID 15382 35531 35413 (harmonic of 8136m) CW 26-05-2002
                 Sun 1000 (MS)
16418    M87    154 154 154 154 154 154 000 000 CW 10-05-2002  0330
17410    E10    EZI2 USB 28-04-2002 Sun 1532 (TI)
17410    E10    EZI2//19715 USB 05-05-2002 Sun 1533 (TI)
17410    E10    EZI2//19715 USB 12-05-2002 Sun 1532 (TI)
17417    E03    57898//19452 USB 02-05-2002 Thu 1507 (TI)
18178    E10    KPA2//20740 USB 27-04-2002 Sat 1617 (TI)
18178    E10    KPA2//20740 USB 28-04-2002 Sun 1517 (TI)
18178    E10    KPA2//20740 USB 02-05-2002 Thu 1518 (TI)
18178    E10    KPA2//12376 USB 02-05-2002 Thu 1818 (TI)
18178    E10    KPA2//12376 USB 03-05-2002 Fri 1818 (TI)
18178    E10    KPA2//12376 USB 03-05-2002 Fri 1920 (TI)
18178.0  E10    "KPA2" then s/off USB 03-05-2002 Fri 0600 (ANEUR)
18478.0  M8a    ID 15382 35531 35413 (harmonic of 9239m and rpt of
                1000z on CW 26-05-2002 Sun 1100 (MS)
18806    M87    987 987 987 987 987 987 987 000 000 000 CW 22-05-2002
                 0130 (IB)
18864    E04    49788//23461 USB 06-05-2002 Mon 1100 (TI)
18864    E04    //21866 USB 06-05-2002 Mon 1330 (TI)
18864    E04    //23461 USB 07-05-2002 Tue 1110 (TI)
18864    E04    83268//23461 USB 07-05-2002 Tue 1202 (TI)
18864    E04    50222//23461 USB 09-05-2002 Thu 1100 (TI)
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18864 E04 90541//23461 USB 21-05-2002 Tue 1101 (TI)
18920 X06 Dep. of State Comms Moscow. Mazielka call AM
            31-05-2002 Fri 1050 (LDO)
18922 M42 Dep. of State Comms Moscow. Msg on link 90006 MFSK
            31-05-2002 Fri 1053 (LDO)
19452 E03 57898//17417 USB 02-05-2002 Thu 1507 (TI)
19715 E10 EZI2 USB 27-04-2002 Sat 1532 (TI)
19715 E10 EZI2//17410 USB 05-05-2002 Sun 1533 (TI)
19715 E10 EZI2//17410 USB 12-05-2002 Sun 1532 (TI)
19715 E10 EZI2 USB 19-05-2002 Sun 1533 (TI)
20347 X06 FAPSI. Mazielka call AM 31-05-2002 Fri 1038 (LDO)
20474 E04 //23461 USB 06-05-2002 Mon 1013 (TI)
20474 E04 49788//23461 USB 07-05-2002 Tue 1000 (TI)
20474 E04 79516//23461 USB 17-05-2002 Fri 1006 (TI)
20474 E04 19577//23461 USB 21-05-2002 Tue 1001 (TI)
20690 M42 DOSC Moscow. Msg on link 80039 to RPO. QSX 23131 kHz
            RTTY   1055 (PP)
20740 E10 KPA2//18178 USB 27-04-2002 Sat 1617 (TI)
20740 E10 KPA2//18178 USB 28-04-2002 Sun 1518 (TI)
20740 E10 KPA2 USB 29-04-2002 Mon 1617 (TI)
20740 E10 KPA2//18178 USB 02-05-2002 Thu 1518 (TI)
20946 M16 (8BY) CW 02-05-2002 Thu 1756 (TI)
21866 E04 //18864 USB 06-05-2002 Mon 1330 (TI)
23131 M42 Unid Russian embassy (RPO). Msg to DOSC Moscow on link
             80039. QSX 20690 kHz RTTY   1057 (PP)
23461 E04 //20474 USB 06-05-2002 Mon 1013 (TI)
23461 E04 49788//18864 USB 06-05-2002 Mon 1100 (TI)
23461 E04 49788//20474 USB 07-05-2002 Tue 1000 (TI)
23461 E04 //18864 USB 07-05-2002 Tue 1110 (TI)
23461 E04 83268//18864 USB 07-05-2002 Tue 1202 (TI)
23461 E04 50222//18864 USB 09-05-2002 Thu 1100 (TI)
23461 E04 79516//20474 USB 17-05-2002 Fri 1006 (TI)
23461 E04 19577//20474 USB 21-05-2002 Tue 1001 (TI)
23461 E04 90541//18864 USB 21-05-2002 Tue 1101 (TI)
23740.0 E10 EZI2 USB 25-05-2002 Sat 1200 (GG)

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NSC	Nathan, SC, USA
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RGA	Jim, UK
SA	Salvo
SE	Selco
STO	Stockholm
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